

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,424,856 B2
APPLICATION NO. : 10/525565
DATED : September 16, 2008
INVENTOR(S) : Werner Brennwald et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

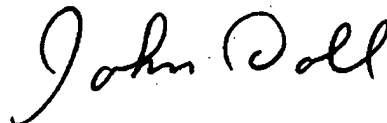
The title page should be deleted to appear as per attached title page.

The sheets of drawings consisting of figures 1-13 should be deleted to appear as per attached figures 1-13.

This certificate supersedes the Certificates of Correction issued November 25, 2008 and December 23, 2008.

Signed and Sealed this

Tenth Day of February, 2009

A handwritten signature in black ink that reads "John Doll". The signature is written in a cursive style with a large, stylized "J" and "D".

JOHN DOLL
Acting Director of the United States Patent and Trademark Office

(12) **United States Patent**
Brennwald et al.

(10) **Patent No.:** **US 7,424,856 B2**
 (45) **Date of Patent:** **Sep. 16, 2008**

(54) **GRATE ELEMENT FOR A GRATE OF A
 WASTE COMBUSTION INSTALLATION**

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 Manfred Wider, Uster (CH); Fritz
 Weber, Netstal (CH)

(73) **Assignee:** Von Roll Umwelttechnik AG (CH)

(*) **Notice:** Subject to any disclaimer, the term of this
 patent is extended or adjusted under 35
 U.S.C. 154(b) by 397 days.

(21) **Appl. No.:** 10/525,565

(22) **PCT Filed:** Aug. 22, 2003

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§ 371 (c)(1),
 (2), (4) **Date:** Feb. 25, 2005

(87) **PCT Pub. No.:** WO2004/025181

PCT Pub. Date: Mar. 25, 2004

(65) **Prior Publication Data**

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(30) **Foreign Application Priority Data**

Aug. 29, 2002 (EP) 02405738

(51) **Int. Cl.**
F23H 7/08 (2006.01)

(52) **U.S. Cl.** 110/281; 110/258; 110/291

(58) **Field of Classification Search** 110/281,
 110/257, 258, 267, 268, 282, 283, 284, 289,
 110/290, 291, 296

See application file for complete search history.

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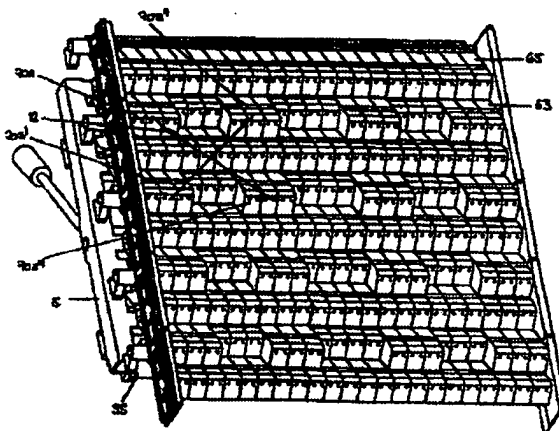
* cited by examiner

Primary Examiner—Kenneth B Rinehart
 (74) *Attorney, Agent, or Firm*—Herskovitz & Associates,
 LLC; Abe Herskovitz

(57) **ABSTRACT**

The present invention relates to a grate element (1) for a grate of a waste-incineration plant, having a plurality of rows of grate blocks, which are moveable or fixed, arranged one behind the other, a plurality of grate blocks (67) being arranged in each row of grate blocks. A first number of grate blocks arranged in a moveable row of grate blocks here is assigned to a first grate carriage (5), and a second number of grate blocks arranged in a moveable row of grate blocks is assigned to a second grate carriage (35), it being possible for the first number of grate blocks to be moved independently of the second number of grate blocks.

3 Claims, 13 Drawing Sheets



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FIG. 1

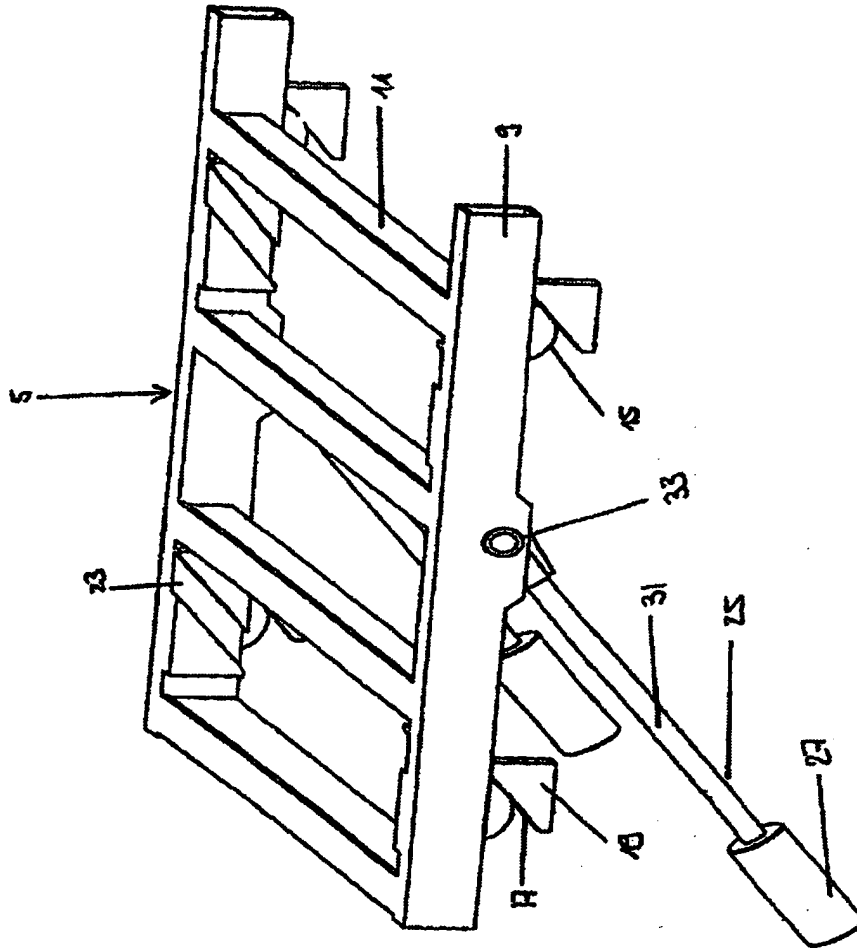
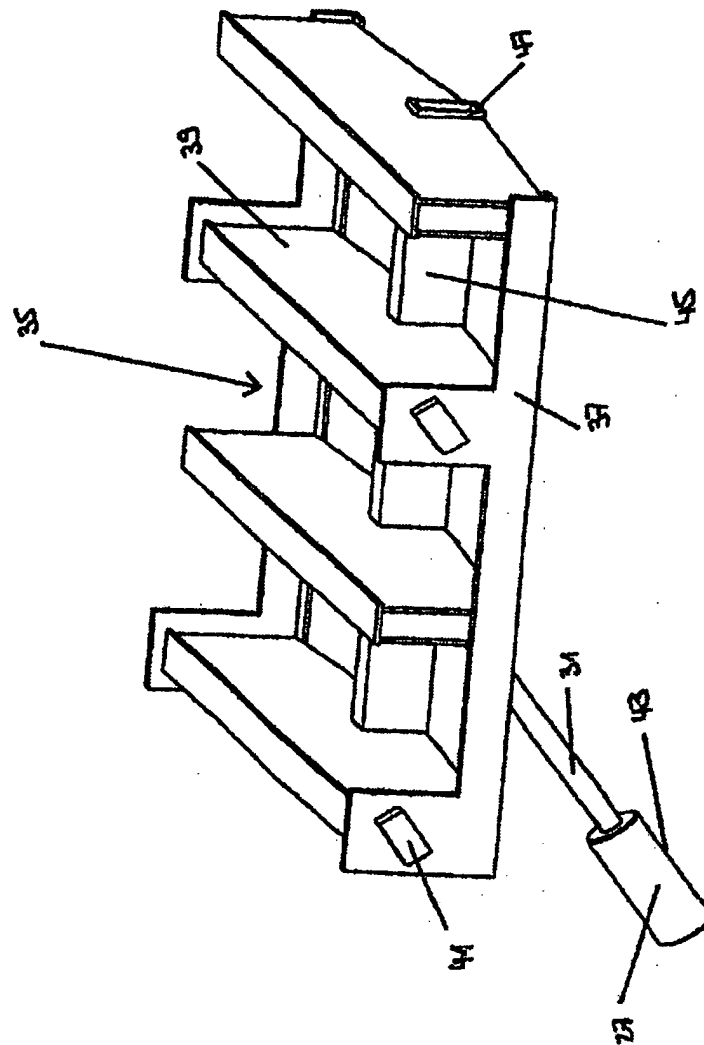


FIG. 2



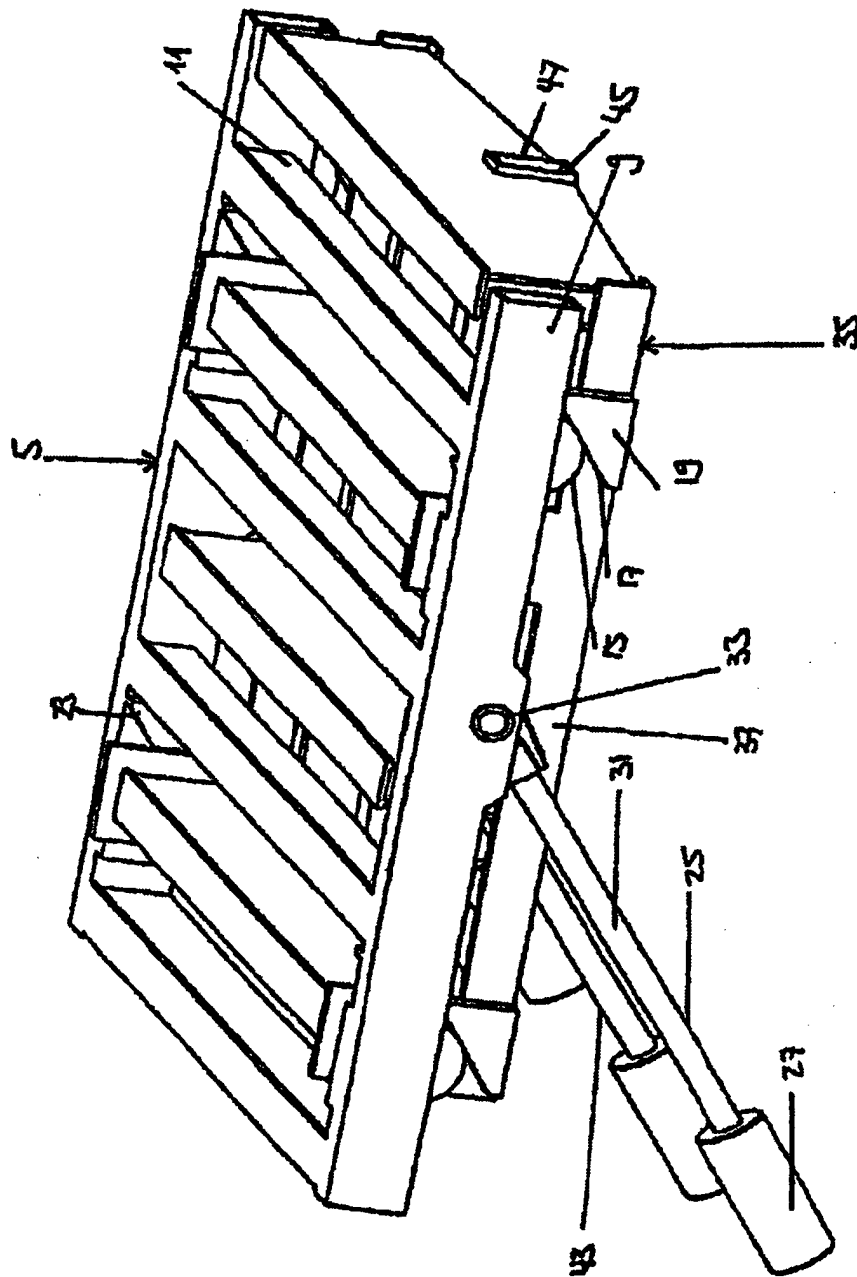


FIG. 3

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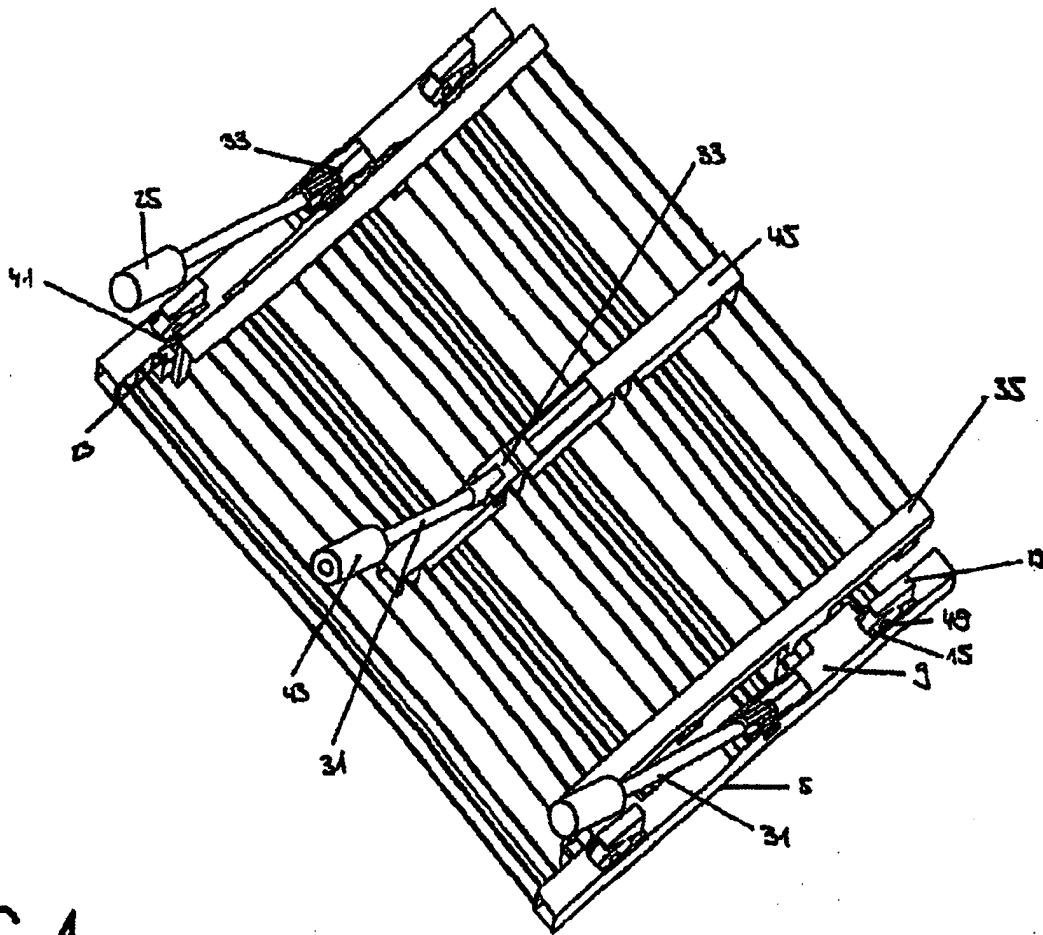


FIG. 4

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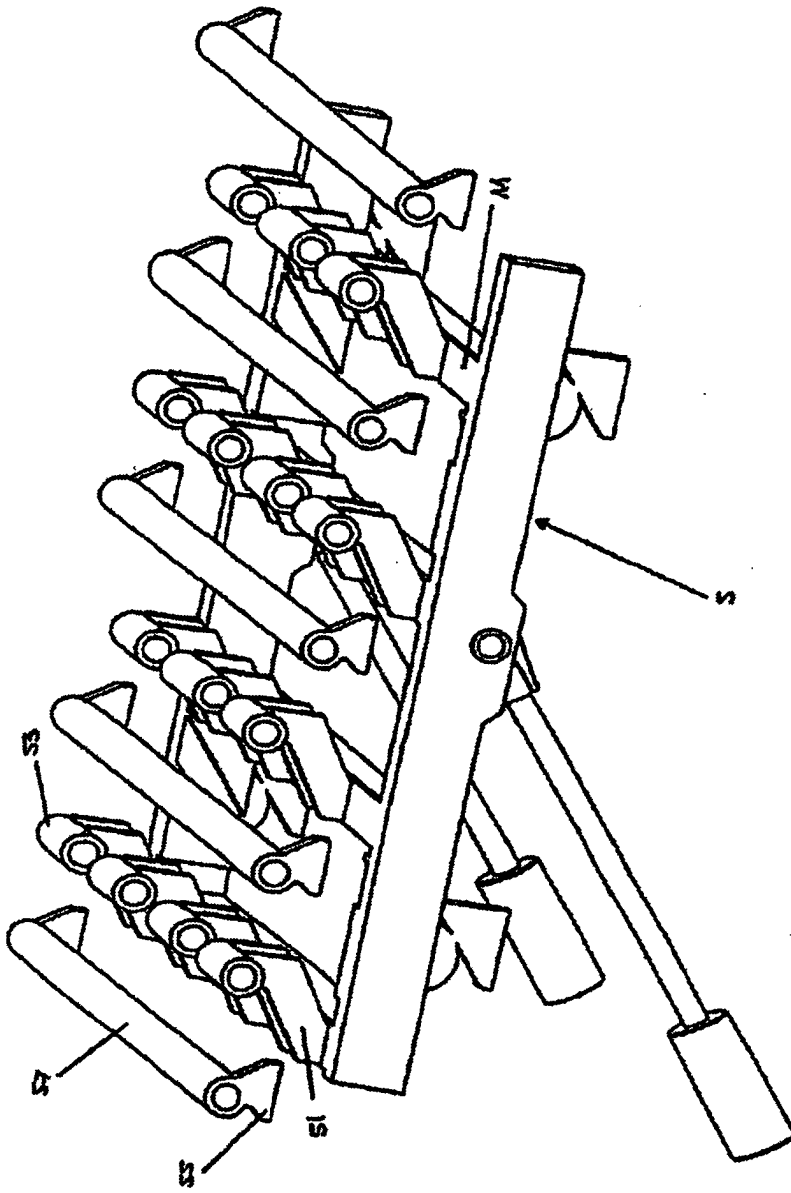


FIG. 5

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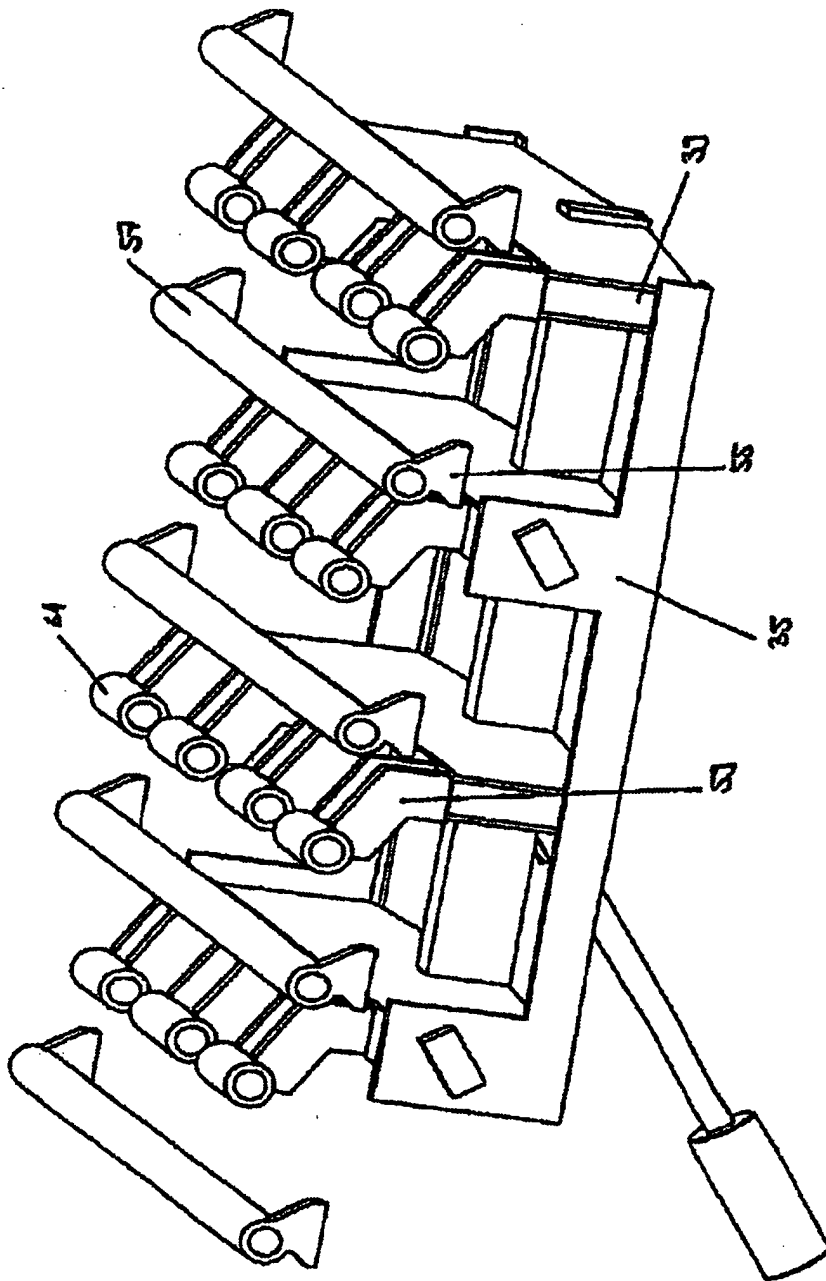


FIG. 6

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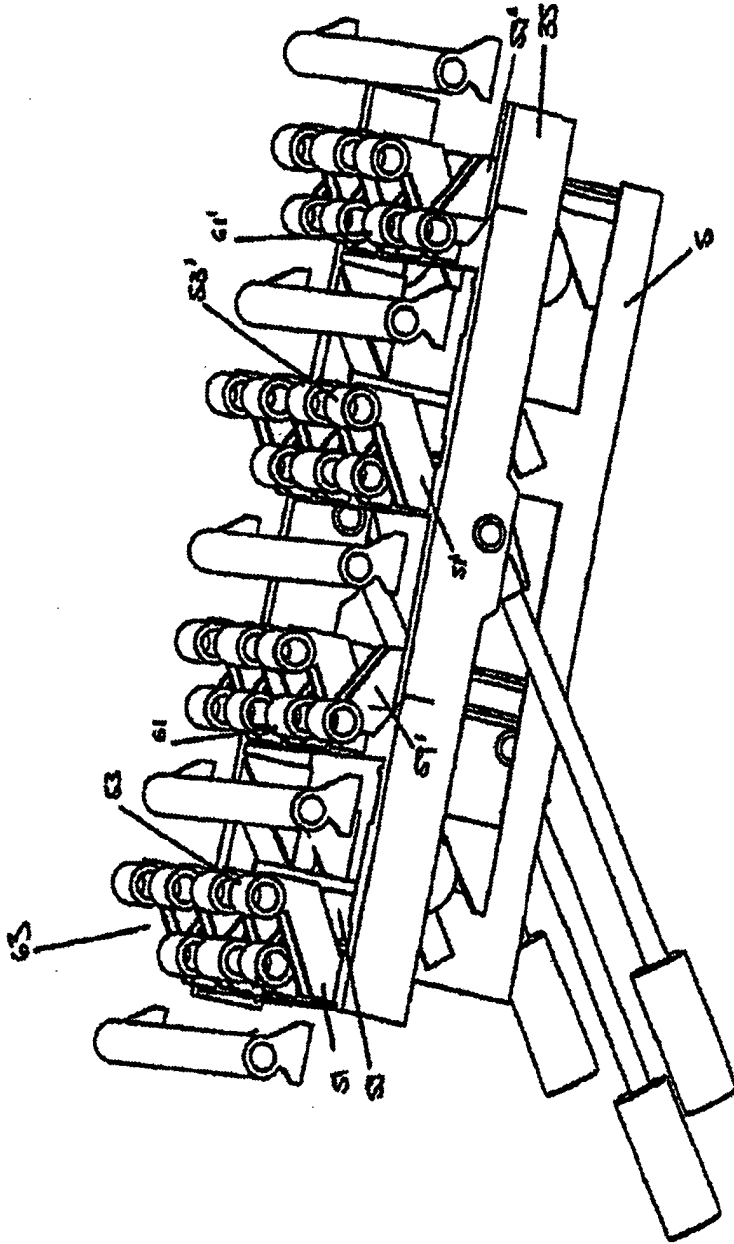


FIG. 7

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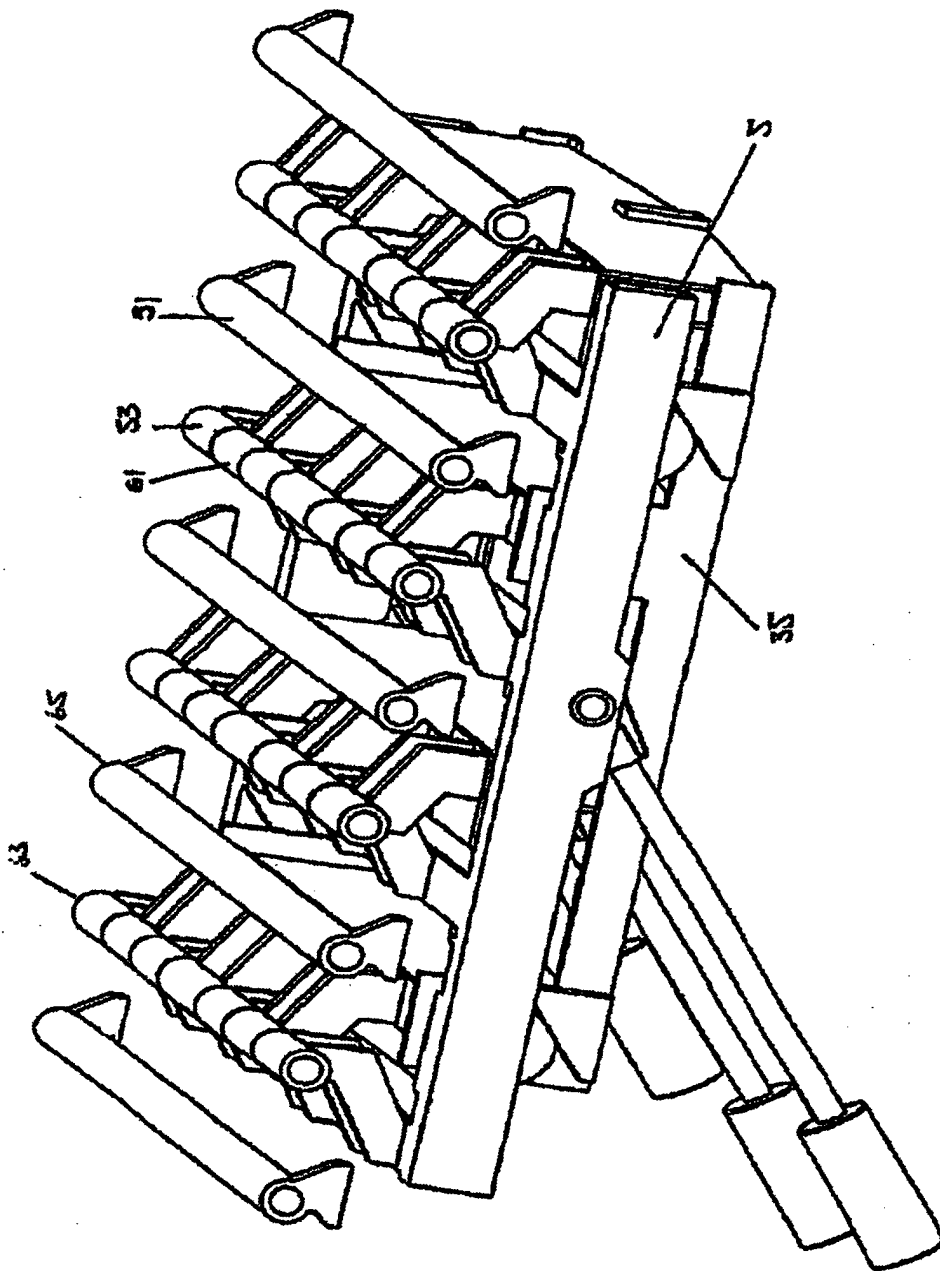


FIG. 8

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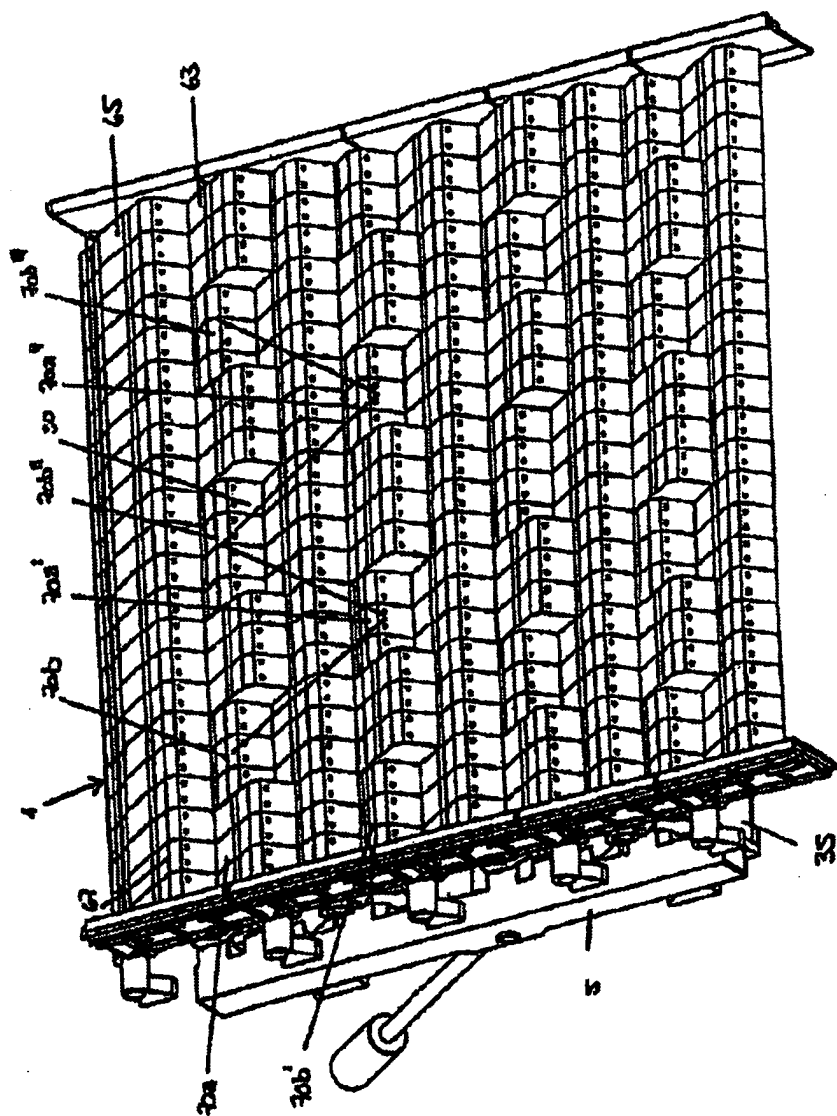


FIG. 9

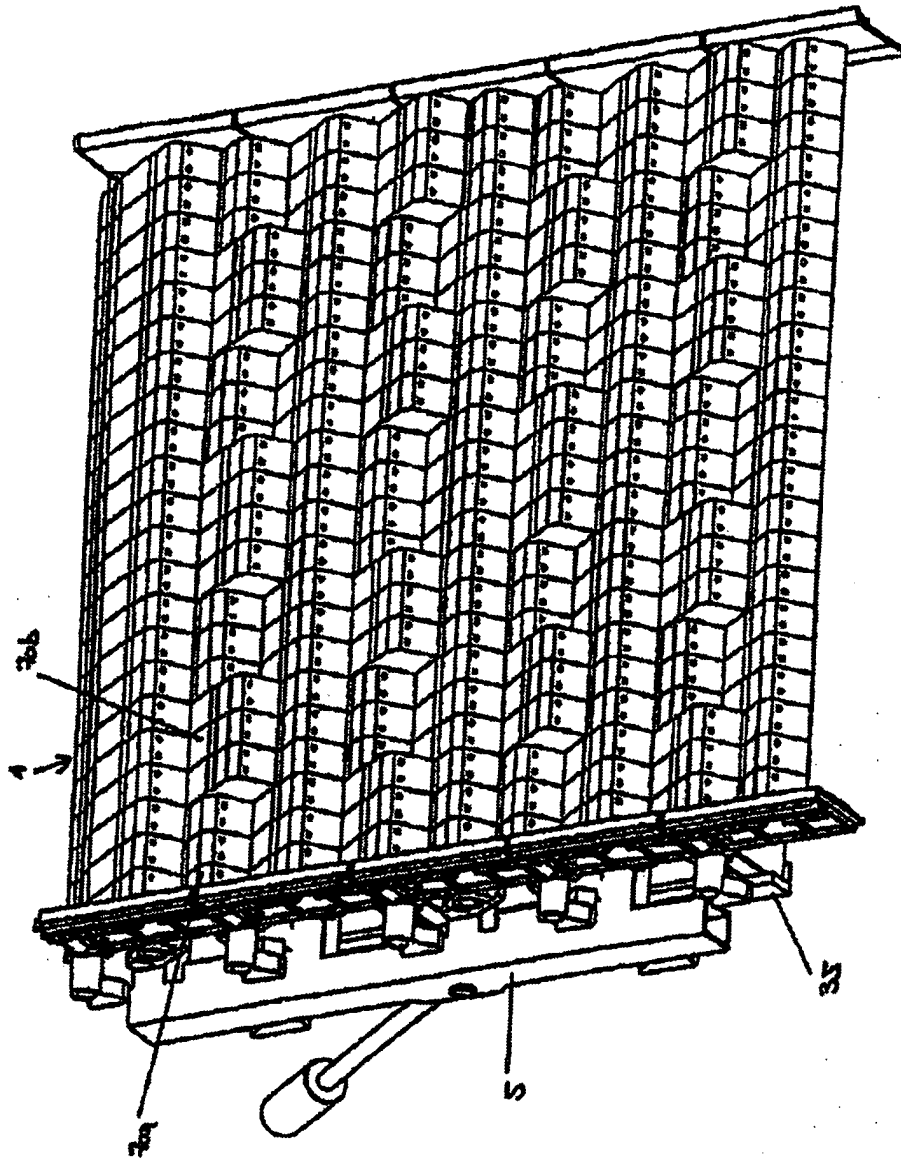


FIG. 10

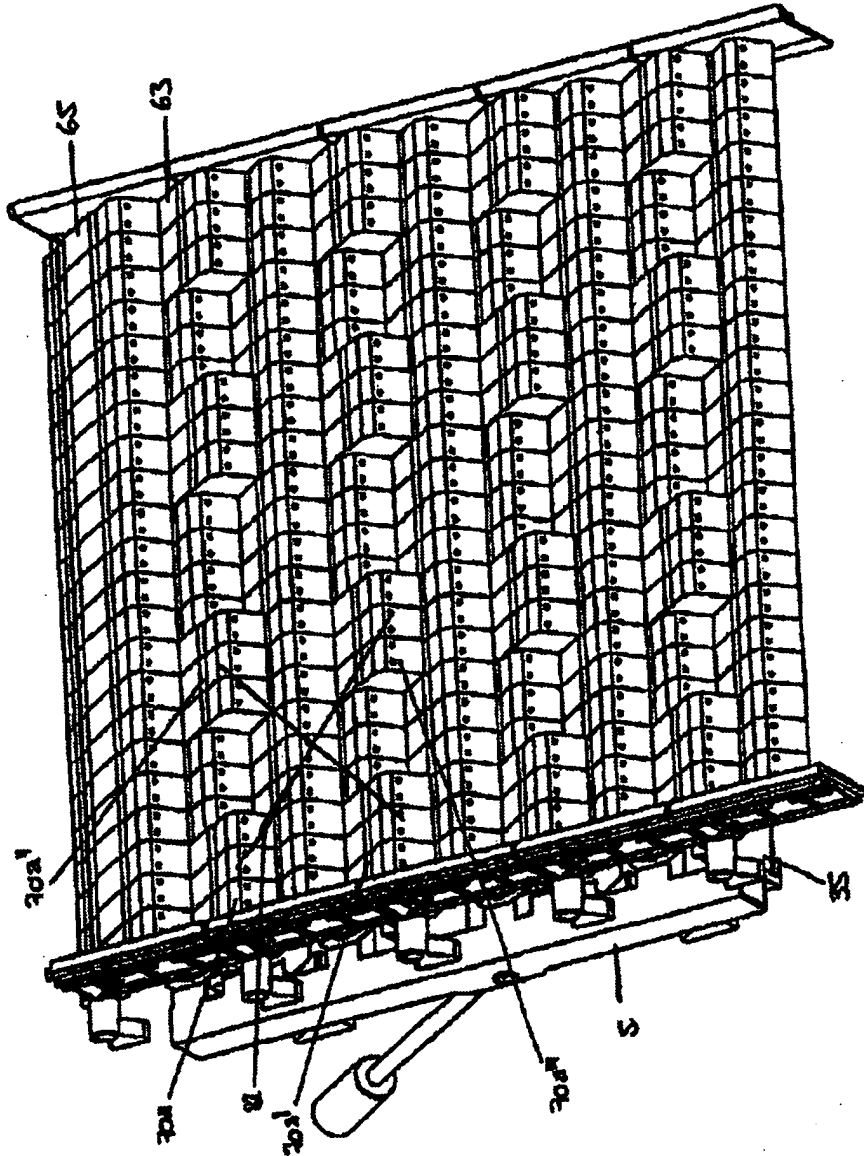


FIG. 11

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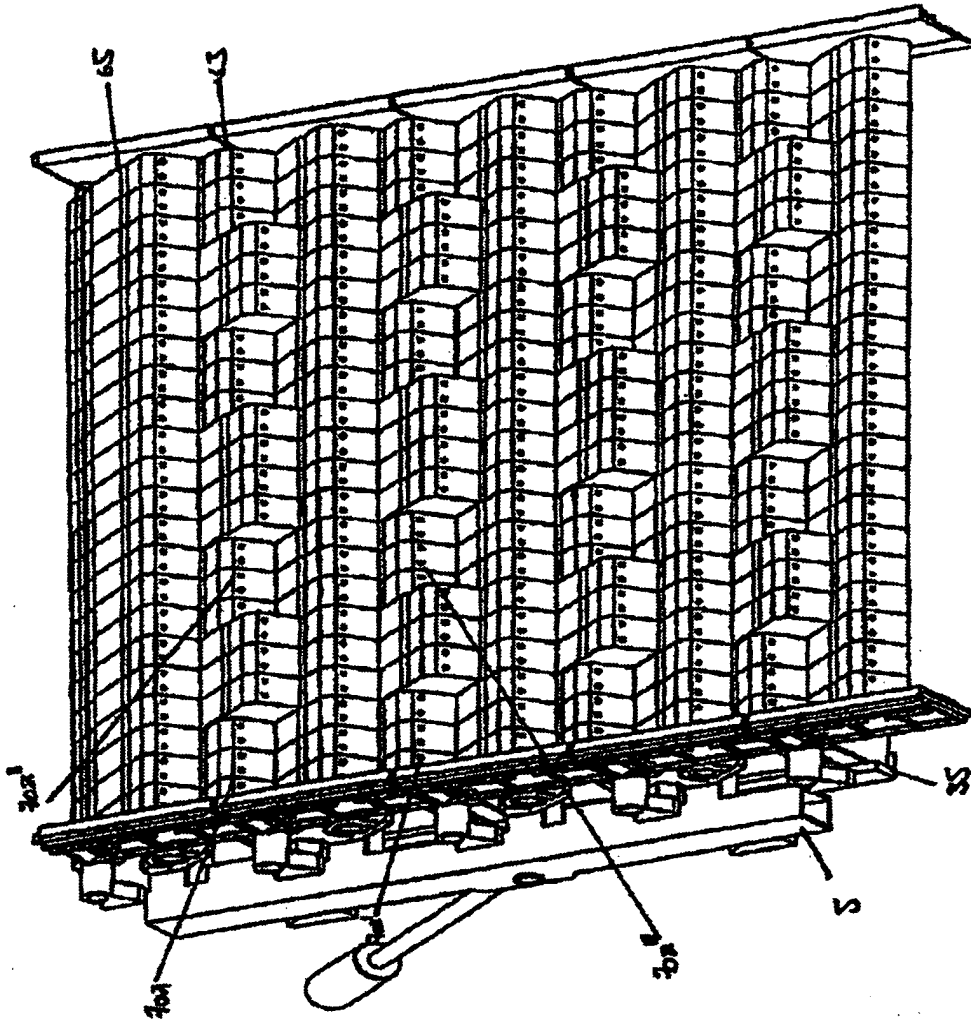


FIG. 12

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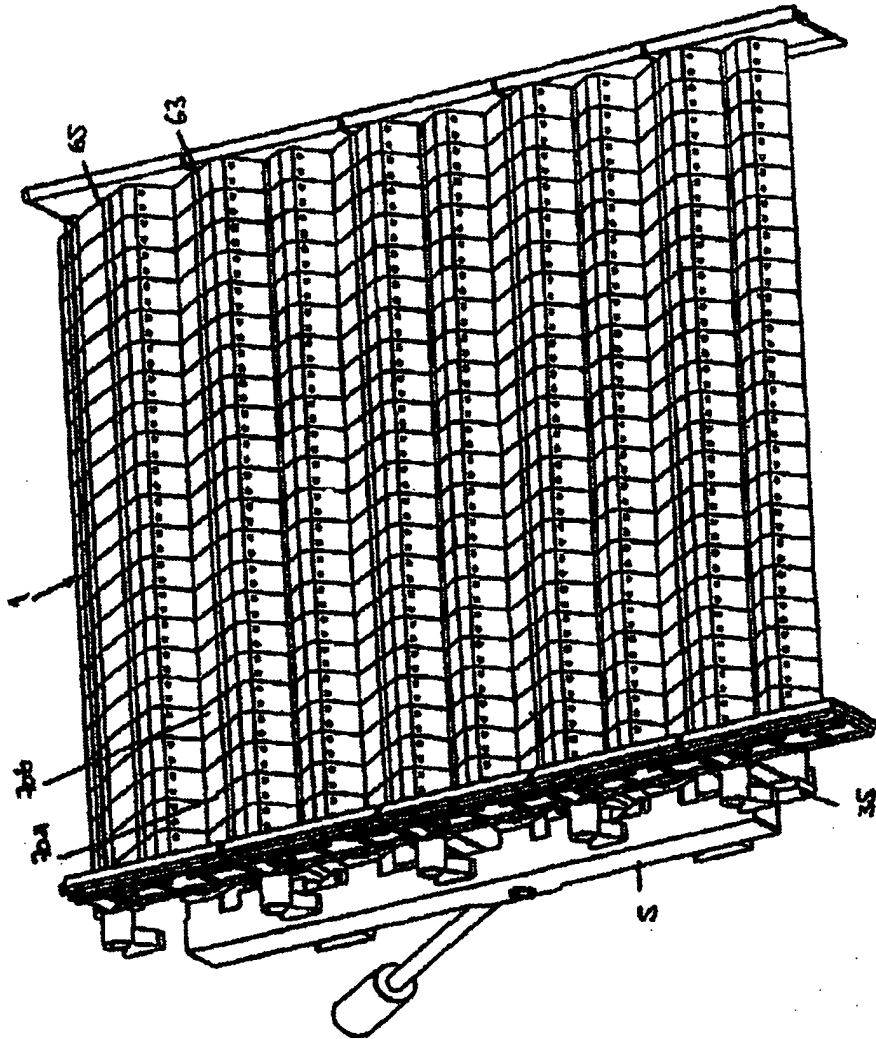


FIG. 13